

☆INTERIOR-GEOLOGICAL SURVEY, RESTON, VA-1987-G87622

LOCATIONS OF SIGNIFICANT METALLIFEROUS LODE DEPOSITS OF ALASKA

OPEN-FILE REPORT 88-73 PLATE 1

			RY OF SIGNIFICANT METALLIFEROUS LODE anation of abbreviations, see explar						
lumber	Name	Major metals	Туре	Estimated tonnage and gradeProduction	Number	Name	Major metals	Туре	Estimated tonnage and gradeproduction
R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12	Lik Red Dog Creek Nimiuktuk Drenchwater Iyikrok Mountain Avan Misheguk Mountain Sinitanneyak Mountain Story Creek Whoopee Creek Omar Frost	Zn, Pb, Ag Zn, Pb, Ag, Ba Barite Zn, Pb, Ag Cr, PGE Cr, PGE Cr, PGE Cr, PGE Cr, PGE Value Cr, PGE Cr, PGE Cr, PGE Cr, PGE Cr, PGE Cr, PGE Db, Zn, Ag, Au Cu, Pb, Zn, Ag Cu, Zn, Pb, barite	Sedimentary exhalative Zn-Pb Sedimentary exhalative Zn-Pb Bedded barite Sedimentary exhalative Zn-Pb/ Kuroko massive sulfide Podiform chromite Podiform chromite Podiform chromite Podiform chromite Unclassified Pb-Zn-Au-Ag vein Unclassified Zn-Ag-Au vein Kipushi Cu-Pb-Zn Unclassified Cu-Zn-Pb-Ba vein	25 million tonnes grading 8.8% Zn, 3.0% Pb, 34 g/t Ag 85 million tonnes grading 17.1% Zn, 5% Pb, 82 g/t Ag About 1.5 million tonnes barite Samples with >1% Zn, >2% Pb, 150 g/t Ag 130,000 to 350,000 tonnes chromite 290,000 to 600,000 tonnes chromite 110,000 to 320,000 tonnes chromite Samples with as much as 21% Cr, 0.2% Ni, 0.07 g/t Pt, 0.1 g/t Pd Samples with as much as 1.5 to 34% Pb, 1.5 to 50% Zn, 35 to 940 g/t Ag, and 1.2 g/t Au Samples with as much as 44% Zn, 458 g/t Ag, 4.4 g/t Au Samples with 15.3% Cu, 0.144% Pb, 0.95% Zn, 20 g/t Ag One vein with 13.2% Zn, 0.5% Cu, 21% barite	AP1 AP2 AP3 AP4 AP5 AP6 AP7 AP8 AP9 AP10 AP11	Sedanka Canoe Bay Aquila Apollo-Sitka Shumagin Pyramid San Diego Bay Kawisgag Warner Bay Cathedral Creek, Braided Creek Mallard Duck Bay Bee Creek Rex	Zn, Pb, Cu Au, Ag, Hg, As, Pb Au, Ag Au, Ag, Pb, Zn, Cu Au, Ag Cu, Au Ag, Au, Cu, Pb Cu, Mo, Au Cu, Mo, Pb, Zn Cu, As, Zn, Pb Cu, Mo Cu, Mo	Epithermal vein Epithermal vein Epithermal vein Porphyry Cu Epithermal vein Porphyry Cu or polymetallic vein Polymetallic vein Polymetallic vein Porphyry Cu-Mo or epithermal vein(?) Porphyry Cu Porphyry Cu Porphyry Cu	Average grade of 6.8% Zn, 0.45% Cu, 0.29% Pb, 48 g/t Ag No data Samples with as much as 7.8 g/t Au, 27 g/t Ag Produced 3.33 million g Au from 435,000 tonnes ore 540,000 tonnes grading 10 g/t Au, 34 g/t Ag 110 million tonnes grading 0.4% Cu, 0.05% Mo, trace Au No data Samples with 0.2 to 1% Cu, as much as 0.02% Mo, 0.23 to 0.4 g/t Au Average grade of 0.3% Cu, as much as 0.7% Cu No data No data 4.5 to 9.1 million tonnes grading 0.25% Cu, 0.01% Mo No data
R13 R14 R15 R16	Smucker Arctic BT, Jerri Creek Ruby Creek		Kuroko massive sulfide Kuroko massive sulfide Kuroko massive sulfide Kuroko massive sulfide Kipushi Cu-Pb-Zn	Average grade of 1 to 5% Pb, 5 to 10% Zn, 103 to 343 g/t Ag 32 million tonnes grading 4.0% Cu, 5.5% Zn, 1.0% Pb, 51.4 g/t Ag, 0.65 g/t Au No data 91 million tonnes grading 1.2% Cu; 4.2 million tonnes grading up to 4% Cu	AP14 AP15 AP16 AP17	Mike Kilokak Creek Kuy Fog Lake	Mo, Au, Ag, Pb, Zn Pb, Zn Au, Ag, Cu Au, Cu, Ag	Porphyry Mo Polymetallic vein(?) Epithermal vein Epithermal vein NORTHEASTERN ALASKA PENIN	Samples with >20 g/t Mo No data No data Samples with as much as 37 g/t Au, 5 g/t Ag, >0.5% Cu
R17 R18 R19 R20	Ann Roosevelt Creek Michigan Creek	Pb, Zn, Ag Cu, Zn, Pb, Ag, Au	Kuroko massive sulfide Polymetallic vein or metamorphosed sulfide Kuroko massive sulfide Kuroko massive sulfide	Average grades of 1 to 4% Pb, 6 to 12% Zn, 0.5 to 7% Cu, 103 to 343 g/t Ag No data No data Samples with as much as 8.2% As, 8.3 g/t Au, 3.9 g/t Ag	AP18 AP19 AP20 AP21 AP22 AP23 AP24	Crevice Creek Kasna Creek Magnetite Island Johnson Prospect Kijik River Bonanza Hills Glacier Fork	Au, Ag, Cu, Fe Cu, Au, Ag, Fe Fe, Ti Au, Zn, Cu, Pb Cu, Mo Ag, Cu, Pb, Au Cu, Zn, Au, Ag	Cu-Au skarn Fe skarn Fe skarn Epithermal vein(?) Polymetallic vein and porphyry Cu Polymetallic vein and porphyry Cu Cu-Zn skarn	Produced 11 tonnes grading 4.5 g/t Au, 514 g/t Ag, 18% Cu 9.1 million tonnes grading 1% Cu, 27% Fe, trace Au, Ag Up to several thousand tonnes magnetite Average grade of 21 to 41 g/t Au, 9.4 to 25% Zn, 2.8% Pb Samples with as much as 0.25% Cu, 0.17% Mo 45,400 tonnes grading 81 g/t Ag, 0.15% Cu, 0.67% Pb Samples grading 0.76% Cu, 3.4% Zn, 0.38 g/t Au, 20 g/t Ag
R21 R22 R23 R24 R25 R26 R26 R27 R28 R27	Mt. Igikpak and Arrigetch Peaks Sukakpak Mountain Victor, Venus, Evelyn Lee, Ebo Jim-Montana Geroe Creek Chandalar District Esotuk Glacier Porcupine Lake Romanzof Mountains	Sn, W, As Au, Sb, Hg, Mo Cu, Ag, Mo Cu, Zn, Ag, Pb Cu, Mo Au Pb, Zn, Sn, Cu, W Cu, Zn, Ag, F1	CENTRAL BROOKS RANGE Polymetallic vein, Au quartz vein, Cu-Pb-Zn and Sn skarn Sb-Au vein Porphyry Cu and Cu skarn Cu-Zn skarn Porphyry Cu-Mo Au quartz vein NORTHEASTERN BROOKS RANG Pb-Zn skarn Polymetallic vein(?) Polymetallic vein, Pb-Zn Skarn	Samples with as much as 0.03% Sn, 0.15% W Samples with as much as 4.8% Cu, 0.6% Zn, 0.2% Ag Samples with as much as 0.15% Sn	\$01 \$02 \$03 \$04 \$05 \$06 \$07 \$08 \$09 \$010 \$011 \$012 \$013 \$014	Bowser Creek Chip-Loy Rat Fork, Sheep Creek Tin Creek Shellebarger Pass Boulder Creek Miss Molly Partin Creek Coal Creek Ready Cash Golden Zone Nim and Nimbus Ohio Creek Treasure Creek	Ag, Pb, Zn Ni, Co, Cu Cu, Zn, Pb Pb, Zn, Cu Cu, Ag, Fe, Zn Sn Mo Cu, Au, Ag Sn, Ag, W, Zn Cu, Pb, Ag, Sn, Zn Au, Cu, Ag, Pb, Zn	Pb-Zn skarn Gabbroic Ni-Cu(?) Cu-Pb-Zn skarn Cu-Pb-Zn skarn Besshi massive sulfide Sn greisen(?) Porphyry Mo Polymetallic or Cu-Ag quartz vein Sn greisen(?) and Sn vein Polymetallic vein(?) Polymetallic vein Polymetallic vein Sn greisen and Sn vein Porphyry Cu-Mo	270,000 tonnes grading 10% Pb and Zn, 100 g/t Ag 9,100 tonnes grading 1% Ni, 0.1% Co Samples with as much as 3% Cu and 10% combined Zn and Pb 230,000 tonnes grading 16% combined Pb and Zn Samples grading 2% Cu, 1% Zn 136,000 kg Sn. Samples with as much as 18% Sn, 7,900 g/t Ag Samples with as much as 0.38% Mo, 0.16% Zn
R30 R31	Bear Mountain Galena Creek	Mo, W Cu, Zn, Pb, Ag	Porphyry Mo Polymetallic vein	Samples with as much as 0.8% Mo and 0.6% W Samples with as much as 21% Cu, 3.5% Zn, 1.3% Pb, 170 g/t Ag	S015	Denali	CENTRAL AND	EASTERN ALASKA RANGE, AND WRANGELL I Besshi massive sulfide(?)	MOUNTAINS, SOUTHERN ALASKA Massive sulfide layers with abundant Cu and as much as
5P1 5P2 5P3 5P4 5P5 5P6 6P7 5P8 5P9 5P10 5P11	Cape Mountain Potato Mountain Lost River Ear Mountain area Kougarok Serpentine Hot Springs Omilak area Windy Creek Independence Nome district Big Hurrah	Sn, W Sn Sn, W, F, Be, Zn Sn, Cu, Ag, Pb, Zn Sn, Ta, Nb Pb, Zn, As, Ag, Au Pb, Zn, Ag, Sb, Au Mo, Pb, W, Sn Pb, Ag, Zn Au Au	Sn greisen	Produced several hundred tonnes Sn Samples with as much as a few percent Sn 25 million tonnes grading 0.15% Sn, 0.03% WO ₃ . Produced 320 tonnes Sn Produced several hundred tonnes Sn Average grade of 0.5% Sn, 0.01% each of Ta and Nb No data About 300 tonnes grading 73% Pb, 5,000 g/t Ag Samples with as much as 0.15% Mo, 0.05% Sn, 0.05% W, 0.15% Pb Samples with as much as 30% Pb, 5,150 g/t Ag, 3.4 g/t Au. Produced a few hundred tonnes ore Samples with as much as 120 g/t Au, 10 g/t Ag, >0.2% As Average grade of 25 to 65 g/t Au. Produced about 156,000 g gold	\$016 \$017 \$018 \$019 \$020 \$021 \$022 \$023 \$024 \$025 \$026	Zackly Kathleen-Margaret Rainy Creek Rainbow Mountain Fish Lake Slate Creek Chistochina Nabesna, Rambler Orange Hill, Bond Creek Nabesna Glacier Baultoff, Horsefeld, Carl Creek	Au, Cu, Ag Cu, Ag, Au Cu, Ag, Au Cu, Ag Cr, Ni Cu, Ag, Au, Zn Pb, Cu, Ag, Au Au Cu, Mo Cu, Zn, Au Cu, Mo Au, Cu, Ag	Cu-Au skarn Cu-Ag quartz vein Cu-Ag skarn Porphyry Cu (Dunitic Ni-Cu) Porphyry Cu(?) Porphyry Cu and polymetallic vein Fe skarn Porphyry Cu-Mo and Cu-Au skarn Polymetallic vein Porphyry Cu Cu-Au skarn	13 g/t Ag 1.25 million tonnes grading 2.6% Cu and >6 g/t Au Samples with as much as 13% Cu, 3.2 g/t Au, 300 g/t Ag Samples with as much as 5.6% Cu, 300 g/t Ag, 1.2 g/t Au Samples with as much as 10% Cu, 44 g/t Ag, trace Au Samples with >0.5% Cr, 0.3% Ni Samples with as much as 2% Cu, 70 g/t Ag, 2 g/t Au Samples with as much as 20% Pb, 1.4% Cu, 21 g/t Ag, 1.4 g/t Au Produced 1.66 million g Au and minor Cu (Nabesna). Estimated 18,000 tonnes grading 34.3 g/t Au (Rambler) 320 million tonnes grading 0.35% Cu (Orange Hill). 500 million tonnes grading 0.30% Cu (Bond Creek) No data 240 million tonnes grading 0.2% Cu, <0.01% Mo, trace Au Samples with as much as 8 g/t Au, 10 g/t Ag, and 20% Cu Samples with as much as 10% Cu, 0.007% Mo, 1.5 g/t Ag
SP12 SP13 SP14 SP15	Daniels Creek Eagle Creek Death Valley Hannum Creek	Au U, Th, REE U Pb, Zn, Ag	Au quartz vein Felsic plutonic U Sandstone U Metamorphosed sulfide UTHWESTERN KUSKOKWIM MOUNTAINS, WES	Samples with 4 to 40 g/t Au, 10 g/t Ag, 4.8% As, >0.1% Sb Samples with as much as 0.15% U ₃ 0 ₈ , 1.05% Th, 2% REE 450,000 kg U ₃ 0 ₈ . Average grade 0.27% U ₃ 0 ₈ Samples with as much as 10% Pb, 2.2% Zn, 1.4 g/t Au, 60 g/t Ag	\$028 \$029 \$030 \$031 \$032 \$033 \$034	London and Cape Nugget Creek Kennecott District Nikolai Westover Nelson Erickson	Cu, Mo, Ag Cu, Ag	Porphyry Cu-Mo Cu-Ag quartz vein Basaltic Cu Cu-Ag quartz vein Basaltic Cu Basaltic Cu Basaltic Cu Basaltic Cu	Samples with as much as >200 g/t Ag, >2% Cu Produced 544 million kg Cu and 280 million g Ag from 4.3 million tonnes ore Sample with as much as 1% Cu Samples with >2% Cu, 50 g/t Ag, 0.2% As Samples with >2% Cu, 50 g/t Ag, 0.3% As Samples with >2% Cu, 70 g/t Ag
C1 C2 C3	Katagi Lake Kemuk Mountain Cinnabar Creek	Sb, Hg Fe, Ti, Pt Sb, Hg	(Sb-Hg vein) Zoned mafic-ultramafic Hot-spring Hg CENTRAL KUSKOKWIM MOUNTAINS, WEST-	No data. Minor production 2,200 million tonnes grading 15 to 17% Fe, 2 to 3% TiO ₂ , 0.016% P ₂ O ₅ Produced about 525 flasks from selected high-grade ore CENTRAL ALASKA Samples with as much as 17.2 g/t Au	\$035 \$036 \$037 \$038 \$039	Willow Creek Halibut Bay Claim Point Red Mountain Bernard, Dust Mountain Spirit Mountain	Au Cr Cr Cr Cr Cr Cr	Polymetallic vein Podiform chromite Podiform chromite Podiform chromite Podiform chromite Podiform chromite Cabbroic Ni-Cu(?)	Produced 18.4 million g Au 180,000 tonnes Cr ₂ O ₃ 82,000 tonnes Cr ₂ O ₃ 87,000 tonnes grading 25 to 43% Cr ₂ O ₃ 330,000 tonnes Cr ₂ O ₃ 5,900 tonnes grading 0.22 to 0.88% Ni, 0.12 to 0.89% Cu, as much as 69 g/t Ag
ICC6 ICC7 ICC8 ICC9 ICC10 ICC11 ICC12 ICC13 ICC14 ICC15 ICC16 ICC17 ICC18 ICC19 ICC20 ICC21	Red Devil Mission Creek, Owhat DeCoursey Mountain Snow Gulch Chicken Mountain Golden Horn, Malemute, Granit Broken Shovel Cirque, Tolstoi Independence Candle Win-Won White Mountain Nixon Fork-Medfra Reef Ridge Medfra Sischu Creek	Hg, Sb, As Sb, Au Au, A, W, Sb, Hg Au, Ag, Sb, Hg, W	Hot-spring Hg Polymetallic vein Hot-spring Hg Sb-Au vein Polymetallic vein(?) Polymetallic or Sb-Au vein Polymetallic vein Polymetallic vein and porphyry Cu Polymetallic vein Polymetallic vein Sn polymetallic vein Hot-spring Hg(?) Cu-Au skarn (Carbonate-hosted sulfide) Fe skarn Felsic plutonic U	Average grade of 1.5% Hg and 2% Sb. Produced 31,145 flasks from 68,330 tonnes through 1972 Samples averaging 6.4 g/t Au, 53 g/t Ag, 2.5% Cu, 3.0% As Samples with 6.5% Hg. Produced 1,200 flasks Samples with 31 to 62 g/t Au and as much as 40% stibnite Stockwork with as much as 0.9 g/t Au Golden Horn: produced 480 tonnes grading 174 g/t Au, 171 g/t Ag, and as much as 20% WO3 14,000 tonnes grading 178 g/t Ag, 0.15% Pb, 0.15% Sb Samples with as much as 20% Cu, 1,340 g/t Ag, 0.5% Sn Produced 1,770 g gold from 113 tonnes ore Samples grading 280 g/t Cu, 185 g/t Pb, 6.8 g/t Ag Samples with as much as 2% Sn, 1,720 g/t Ag Samples grading 5 to 30% cinnabar. Produced 3,500 flasks Produced 1.24 to 1.87 million g gold, minor Cu, Ag 181,000 tonnes grading 15% combined Zn and Pb 12,000 m³ grading 85% Fe ₂ O ₃ , minor Cu and Au Samples with as much as 0.007% U and 0.013% Th	\$041 \$042 \$043 \$044 \$045 \$046 \$047 \$048 \$049 \$050 \$051	Chalet Mountain Nuka Bay Alaska Oracle Lucky Strike Crown-Point, Kenai-Alaska Monarch, Jewel Mineral King Granite Gold King Cliff Ramsay-Rutherford	W, Au, Ag Au Au Au, Cu, Pb, Ag Au	Au quartz vein	Samples with as much as 1.75% WO ₃ , 9.6 g/t Au, 120 g/t Ag Produced 258,000 g Au Produced 106,000 g Au Produced 172,500 g Au from 1,800 tonnes ore Produced 97,000 g Au Produced 87,000 g Au Produced 87,000 g Au Produced 776,000 g Au Produced 62,000 g Au Produced 1.61 million g Au Produced 172,000 g Au Produced 1.72,000 g Au
C22 C23	Mount Hurst Kaiyuh Hills McLeod	Cr, PGE Cr	OKO AREAS, NORTHEASTERN KUSKOKWIM MC Podiform chromite Podiform chromite ST-CENTRAL YUKON-KOYUKUK BASIN, WEST	Samples with 22 to 61% $\rm Cr_2O_3$ 15,000 to 34,000 $\rm Cr_2O_3$ tonnes in one deposit	\$052 \$053 \$054 \$055 \$056 \$057	Midas Latouche, Beatson Knight Island Copper Bullion, Rua Cove Ellamar Threeman, Standard Copper Fidalgo-Alaska, Schlosser	Cu Cu, Zn Cu, Au, Ag, Zn	Besshi massive sulfide(?) Besshi massive sulfide(?) Cyprus massive sulfide Cyprus massive sulfide Besshi massive sulfide Cyprus massive sulfide Besshi massive sulfide	Produced 1.54 million kg Cu, 471,000 g Ag, 79,000 g Au Produced 84 million kg Cu from 4.5 million tonnes ore Produced up to a few thousand tonnes ore 1.0 million tonnes grading 1.25% Cu Produced 7.2 million kg Cu, 1.46 million g Au, 5.96 million g Ag Produced 14,500 kg Cu (Standard Copper). Produced 500,000 kg Cu, 3,140 g Au, 165,000 g Ag (Threeman) Produced 1.9 million kg Cu from 19,400 tonnes ore
IC25 IC26 IC27 IC28	Illinois Creek Perseverance Beaver Creek Quartz Creek	Cu, Ag, Au, Pb, Zn Pb, Ag, Sb Ag, Pb, Zn Pb, Zn, As, Ag	Polymetallic vein and porphyry Cu Polymetallic vein(?) Polymetallic vein Polymetallic vein	No data Produced 231 tonnes grading 73% Pb, 124 g/t Ag 14,000 tonnes grading 103 g/t Ag, 0.8% Zn, 0.5% Cu Samples with as much as 15% combined Pb and Zn, 340 g/t Ag		Jualin	Au, Ag, Pb	COAST MOUNTAINS REGION, SOUTHEAS Au quartz vein	Produced 1.5 million g Au
IC29 IC30 IC31 IC32 IC33 IC34 IC35	Wheeler Creek Clear Creek Zane Hills Asbestos Mountain Caribou Mountain, Holonada Upper Kanuti River Bonanza Creek	U U U, Th Asbestos, jade Cr	Felsic plutonic U Felsic plutonic U Felsic plutonic U Felsic plutonic U Serpentine-hosted asbestos Podiform chromite Polymetallic or epithermal vein W skarn	Samples with as much as 0.0125% U Samples with as much as 0.04% U and 0.06% Th Samples with as much as 0.027% Th No data Up to 25,000 tonnes $\rm Cr_2 0_3$ at Holonada Samples with as much as 2% Pb, 0.3% Zn, 30 g/t Ag Samples with as much as 0.89% W, 300 g/t Ag, 0.65% Cu	SE2 SE3 SE4 SE5 SE6 SE7 SE8 SE9 SE10	Kensington Alaska-Juneau Yakima Treadwell Sweetheart Ridge Sumdum Sumdum Chief Groundhog Basin North Bradfield River Riverside	Au, Ag, Pb Au, Ag, Pb, Zn Au, Pb, Zn Au, Ag, Pb Ag, Au, Cu, Pb, Zn Ag, Cu, Zn Au, Ag, Cu, Pb, Zn Ag, Pb, Zn Fe, Cu Ag, Au, Cu, Pb, W	Au quartz vein Au quartz vein Besshi massive sulfide Au quartz vein Metamorphosed sulfide Metamorphosed sulfide Au quartz vein Metamorphosed sulfide Fe skarn Au quartz or polymetallic vein	Produced 11,000 tonnes grading about 5.8 g/t Au Produced 108 million g Au, 59.1 million g Ag, 21.8 million kg Pb Production not recorded Produced about 90 million g Au from 25 million tonnes ore 6,600 tonnes grading 7.9 g/t Au, 10.6 g/t Ag, 0.7% Cu 24 million tonnes grading 0.57% Cu, 0.37% Zn, as much as 103 g/t Ag Produced 746,000 g each Au and Ag Several hundred thousand tonnes grading 8% Zn, 1.5% Pb, 51.5 g/t Ag Drill core grading 50 to 65% Fe, 0.1 to 0.5% Cu Produced 93,300 g Au, 3.1 million g Ag, 45,400 kg Cu,
CC1 CC2 CC3 CC4 CC5 CC6 CC7	Hot Springs Dome Avnet Sawtooth Mountain Gertrude Creek, Griffen, Ruth Cr Hudson Cinnabar Roy Creek Lime Peak	Pb, Ag, Zn, Au, Cu Mn, Ag Sb, Au, Ag Au, Ag, Pb, Sb eek Hg U, Th, REE Sn, Ag, Zn	Polymetallic vein (Mn-Ag vein) Sb-Au vein Sb-Au vein (Hg quartz vein) Felsic plutonic U Sn greisen and Sn veins	Samples grading 5.8 g/t Au, as much as 274 g/t Ag, 3.7% Pb Samples with as much as 34% Mn and as much as 9.6 g/t Ag Produced about 590 tonnes grading 58% Sb ₂ S ₃ Samples with as much as 15% Sb, 3.9 g/t Au No data Drill core with as much as 5 to 10% REE by volume Samples with as much as 0.16% Sn, 0.5% Cu, 0.2% Pb, 1.8% Zn	SE12 SE13 SE14 SE15 SE16 SE17 SE18 SE19 SE20 SE21	Alamo Union Bay Gold Standard Mahoney Sea Level Goldstream Moth Bay Quartz Hill Reliance Red River	Ag, Au, Cu, Zn Fe, Ti, Cr, PGE Au Ag, Pb, Zn Au, Ag Au, Cu, Pb, Zn Cu, Zn Mo Cu, Zn Cu, Mo	Metamorphosed sulfide Zoned mafic-ultramafic Au quartz vein Metamorphosed sulfide Au quartz vein Au quartz vein Metamorphosed sulfide Porphyry Mo Metamorphosed sulfide Metamorphosed sulfide Metamorphosed sulfide CENTRAL SOUTHEASTERN ALA	114,000 kg Pb, 9,100 kg Zn, 3,500 units W0 ₃ Samples with as much as 0.7% Cu, 0.2 g/t Au, 50 g/t Ag, minor Zn 1,000 million tonnes grading 18 to 20% Fe, minor PGE Produced a few ten thousand g Au Produced several hundred tonnes Zn concentrate Unknown production Produced several hundred thousand tonnes ore 91,000 tonnes grading 7.5% Zn, 1% Cu As much as 1,700 million tonnes grading 0.136% Mo No data No data
C8 C9 C10 C11 C12 C13	Dempsey Pup Table Mountain Bedrock Creek Miller House Ketchem Dome Salcha River	Sb Au, An, Be, W Cu, W, Th Au Sn W	Sb-Au vein Au quartz vein(?) Porphyry Cu(?) Unclassified Au-As vein Sn greisen W skarn	Produced a few hundred tonnes of low-grade ore Samples with as much as 140 g/t Au, 0.007% Sn, 0.15% Be No data Samples with as much as 3.9 g/t Au Samples with as much as >0.1% Sn No data	SE22 SE23 SE24 SE25 SE26	Klukwan Glacier Creek Margerie Glacier Orange Point Reid Inlet	Fe, Ti, V, Ni Ag, Au, Ba, Cu, Pb Cu, Ag, Au Zn, Cu, Ag, Au Au, Pb	Kuroko massive sulfide	12 billion tonnes grading 0.2% V205, 13% magnetite, 1.5 to 4.4% TiO ₂ 680,000 tonnes grading 45% BaSO ₄ , as much as 3% combined Cu, Zn 145 million tonnes grading 0.02% Cu, 0.27 g/t Au, 4.5 g/t Ag Samples with as much as 19% Zn, 5.2% Cu, 3.5 g/t Au, 70 g/t Ag Produced 220,000 to 250,000 g Au
C14 C15 C16 C17 C18	Scrafford Cleary Summit Gilmore Dome Ester Dome Democrat	Sb. Au Au, Ag W, Au Au, Ag Au	Sb-Au vein Polymetallic vein(?) W skarn Polymetallic vein(?) Au quartz vein	Produced 906,000 kg Sb from 2,500 tonnes ore 145,000 tonnes grading from 10 to 55 g/t gold 20,000 tonnes grading 0.5 to 3.6% WO ₃ . Produced 4,000 units WO ₃ Produced 90,700 tonnes grading 7 to 79 g/t Au No data	SE27 SE28 SE29 SE30 SE31 SE32 SE33 SE34 SE35	Nunatak William Henry Bay Funter Bay Greens Creek Pyrola Kupreanof Mountain Cornwallis Peninsula Port Camden Castle Island	Ag, Au, Cu, Mo U, Th, REE Cu, Ni, Co Zn, Pb, Cu, Ag, Au Ag, Au, Ba, Pb, Zn	Polymetallic vein, porphyry Cu-Mo Felsic plutonic U Gabbroic Ni-Cu Kuroko massive sulfide Kuroko massive sulfide Cu-Zn-Au skarn Metamorphosed sulfide Sandstone U Bedded barite and Kuroko massive	2.0 million tonnes grading 0.067% Mo, 0.16% Cu Samples with as much as 0.2% U Up to 540 thousand tonnes grading as much as 1% Cu, Ni each 3.6 million tonnes grading 8% Zn, 2.7% Pb, 0.4% Cu, 360 g/t Ag, 3.4 g/t Au No data Low values of Au and Ag No data Samples with 0.13 to 0.24% U Produced 680,000 tonnes grading 90% BaSO _A . Sulfide
C19 C20 C21 C22 C23 C24 C25 C26	Blue Lead, Tibbs Creek, Gray Lead Mosquito Purdy Asarco Bluff Taurus Slate Creek Eagle C3	Au, Ag, Sb Cu, Mo Au Cu, Mo Cu, Mo Cu, Mo Cu, Mo Asbestos PGE	Polymetallic or Sb-Au vein Porphyry Cu-Mo Au quartz vein Porphyry Cu-Mo Porphyry Cu-Mo Porphyry Cu-Mo Porphyry Cu-Mo Serpentine-hosted asbestos Podiform chromite	Produced 905 g Au, 707 g Ag from 136 tonnes ore No data Minor production No data No data 450 million tonnes grading 0.5% Cu and 0.07% Mo 58 million tonnes grading 6.4% fiber Samples with 3 g/t Pt, 1.5 g/t Pd, 0.03 g/t Rh	SE36 SE37 SE38 SE39 SE40 SE41 SE42 SE43 SE44 SE44 SE45 SE46 SE47	Kupreanof Island Helen S. Zarembo Island Salmon Bay Coronation Island Salt Chuck Kasaan Peininsula Dawson Khayyam Jumbo district Copper City Moonshine Lime Point	Ag, Au, Pb, Zn Ag, Pb, Zn U, Th, REE Pb, Zn Ag, Au, Cu, PGE Cu, Au, Ag Au, Cu, Pb, Zn Ag, Au, Cu, Zn Fe, Ag, Au, Cu Cu, Zn, Ag, Au Ag, Pb, Zn, Cu Ba	Kuroko massive sulfide Kuroko massive sulfide Kuroko massive sulfide Felsic plutonic U Polymetallic vein(?) Zoned mafic-ultramafic Cu-Fe skarn Au quartz or polymetallic vein Kuroko massive sulfide Cu-Au skarn Metamorphosed sulfide(?) Metamorphosed sulfide Bedded barite	samples with as much as 5% galena and sphalerite, 100 g/t Ag Small volume grading 6.1 g/t Au Samples with as much as 5.5 g/t Au, 30 g/t Ag Samples with as much as 0.3% U, 0.79% REE, >0.1% La, 0.1% Mo Produced more than 90 tonnes ore Produced 300,000 tonnes grading 0.95% Cu, 1.2 g/t Au, 5.8 g/t Ag, and 610,000 g PGE Produced 5.8 million kg Cu, 216,000 g Au, 1.74 million g Ag Probably produced several ten thousand g Au, Ag, each Produced 6.4 million kg Cu, 40,100 g Au, 53,200 g Ag Produced 4.6 million kg Cu, 220,000 g Au, 2.73 million g Ag Samples with 8.5% Cu, 7.3% Zn, 86 g/t Ag, 1.7 g/t Au Produced up to 46,500 g Ag 4,500 tonnes grading 91% barite
C27 C28 C29 C30	Slate Creek, Eagle Den, Caribou Cre Quigley Ridge Banjo Spruce Creek	ek Ag, Au, Pb, Zn Au, Ag, Pb, Zn, Sb Au, Ag, Pb, Zn, Sb	NORTHERN ALASKA RANGE, EAST-CEN Sb-Au vein Polymetallic vein Polymetallic vein Polymetallic or Sb-Au vein(?)	1RAL ALASKA 64,000 tonnes grading 12% Sb, minor Ag, Zn 380,000 tonnes grading 1.300 g/t Ag, 4.8 g/t Au, 6.4% Pb, 2.3% Zn 160,000 tonnes grading 13.4 g/t Au, 123 g/t Ag 77,000 tonnes grading 2.4 g/t Au, 276 g/t Ag 410,000 tonnes grading 10.5% Sb, minor Ag, Zn, Au.	SE 48 SE 49 SE 50 SE 51 SE 52 SE 53 SE 54	Golden Fleece Niblack Bay View Bokan Mountain Barrier Islands Driest Point Duke Island	Ag, Au Cu, Au, Ag Au Th, U Ag, Au, Cu, Pb Cu, Pb, Ba Cr, PGE	Au quartz vein Kuroko massive sulfide Polymetallic vein(?) Felsic plutonic U Kuroko massive sulfide Kuroko massive sulfide(?) Zoned mafic-ultramafic	Considerable production; no records Produced 636,000 kg Cu, 34,200 g Au, 466,500 g Ag Samples with as much as 10 g/t Ag, 0.1 g/t Au, >2% Cu Produced 109,000 tonnes grading about 1% U ₃ O ₈ Samples with as much as 10% Zn, 0.15% Pb, 30 g/t Ag No data Samples grading 0.037 g/t Pt, 0.033 g/t Pd
EC31 EC32 EC33 EC34 EC35 EC36 EC37	Stampede Liberty Bell Sheep Creek Anderson Mountain WTF, Red Mountain Miyaoka, Hayes Glacier McGinnis Glacier Delta District	Sb As, Cu, Bi, Au Zn, Pb, Sn Cu, Pb, Zn, Ag Cu, Pb, Zn, Ag Cu, Pb, Zn, Au, Ag Zn, Cu, Pb, Ag	Polymetallic or Sb-Au vein(?) Kuroko massive sulfide(?) Kuroko massive sulfide	410,000 tonnes grading 10.5% Sb, minor Ag, Zn, Au. Produced 1,570 tonnes ore 91,000 tonnes grading 10% As, 2% Cu, 34 g/t Au, 10% As, 2% Cu Samples average 11% combined Pb and Zn, 10 g/t Ag Grades of 0.5 to 19% Cu, as much as 5% Pb, 28% Zn, 171 g/t Ag 1.1 million tonnes grading 0.15% Cu, 2.5% Pb, 7.9% Zn, 270 g/t Ag Samples with as much as 0.92% Cu, 0.72% Pb, 0.5% Zn, 50 g/t Au, 50 g/t Ag Samples with as much as 2.3% Zn, 0.26% Cu, 0.25% Pb, 50 g/t Ag Largest deposit of 18 million tonnes grading 0.3 to 0.7% Cu- 1 to 3% Pb, 3 to 6% 7n, 34 to 102 g/t Ag	SE 55 SE 56 SE 57 SE 58 SE 59 SE 60 SE 61	Brady Glacier Bohemia Basin Apex, El Nido Cobol Mirror Harbor Baker Peak Chichagoff, Hirst-Chichagof	Cu, Ni, PGE Ni, Cu Au, Ag, Cu, Pb, W Au, Cu, Pb, Zn Ni, Cu, Co Cu Au, Ab, Pb, Cu	Gabbroic Ni-Cu Gabbroic Ni-Cu Au quartz vein Au quartz vein Gabbroic Ni-Cu Basaltic Cu(?) Au quartz vein	82 to 91 million tonnes grading 0.53% Ni, 0.33% Cu, 0.03% Co, minor PGE 19 million tonnes grading 0.33% Ni, 0.21% Cu, 0.04% Co Produced 622,000 g Au, 93,300 g Ag Produced 3,100 g Au 7,300 tonnes grading 1.57% Ni, 0.88% Cu, 0.04% Co Samples with as much as 2.0 to 7.5% Cu, minor Au, Ag Produced 24.6 million g Au, 1.24 million g Ag, minor Pb, Cu

270 g/t Ag
Samples with as much as 0.92% Cu, 0.72% Pb, 0.5% Zn, 50 g/t Au, 50 g/t Ag
Samples with as much as 2.3% Zn, 0.26% Cu, 0.25% Pb, 50 g/t Ag
Largest deposit of 18 million tonnes grading 0.3 to 0.7% Cu, 1 to 3% Pb, 3 to 6% Zn, 34 to 102 g/t Ag

EC36 Miyaoka, Cu, Pb, Zn, Au, Ag Kuroko massive sulfide Hayes Glacier EC37 McGinnis Glacier Zn, Cu, Pb, Ag Kuroko massive sulfide